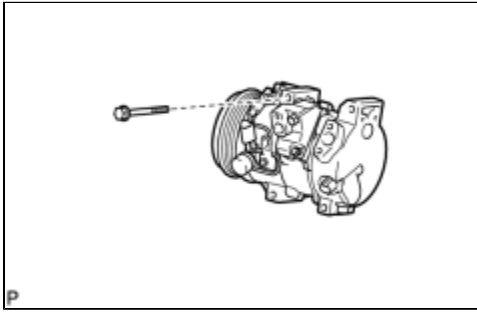


Last Modified: 7-13-2007		1.7 A
Service Category: Vehicle Interior	Section: Heating/Air Conditioning	
Model Year: 2008	Model: ES350	Doc ID: RM000002DH9003X
Title: AIR CONDITIONING: COMPRESSOR AND MAGNETIC CLUTCH: INSTALLATION (2008 ES350)		

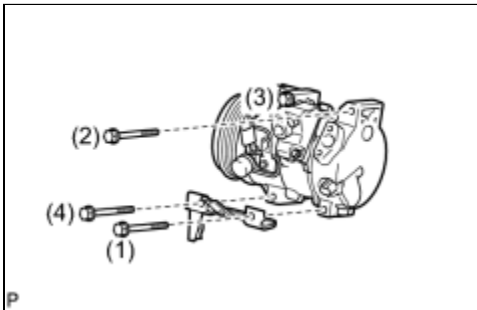
INSTALLATION

1. TEMPORARILY TIGHTEN COMPRESSOR AND MAGNETIC CLUTCH



(a) Temporarily install the compressor and magnetic clutch onto the bolt.

2. FULLY TIGHTEN COMPRESSOR AND MAGNETIC CLUTCH



(a) Install the compressor and magnetic clutch with the 4 bolts.

Torque: 25 N·m (255 kgf·cm, 18 ft·lbf)

NOTICE:

Tighten the bolts in the order shown in the illustration to install the compressor and magnetic clutch.

3. INSTALL NO. 1 COOLER REFRIGERANT SUCTION HOSE

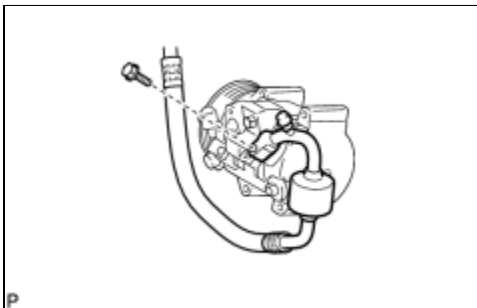
(a) Remove the attached vinyl tape from the hose.

(b) Apply sufficient compressor oil to a new O-ring and the fitting surface of the compressor and magnetic clutch.

Compressor oil:

ND-OIL 8 or equivalent

(c) Install the O-ring onto the No. 1 cooler refrigerant suction hose.

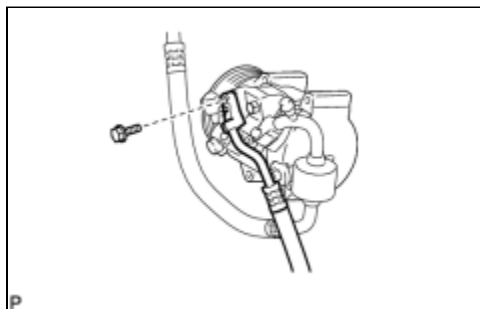


(d) Install the No. 1 cooler refrigerant suction hose onto the compressor and magnetic clutch with the bolt.

Torque: 9.8 N·m (100 kgf·cm, 87 in·lbf)

4. INSTALL NO. 1 COOLER REFRIGERANT DISCHARGE HOSE

- (a) Remove the attached vinyl tape from the hose.
- (b) Apply sufficient compressor oil to a new O-ring and the fitting surface of the compressor and magnetic clutch.
Compressor oil:
ND-OIL 8 or equivalent
- (c) Install the O-ring onto the No. 1 cooler refrigerant discharge hose sub-assembly.



- (d) Install the No. 1 cooler refrigerant discharge hose onto the compressor and magnetic clutch with the bolt.

Torque: 9.8 N·m (100 kgf·cm, 87 in·lbf)

5. INSTALL GENERATOR ASSEMBLY

INFO

6. INSTALL V-RIBBED BELT

INFO

7. INSTALL RADIATOR ASSEMBLY

INFO

8. INSTALL FAN SHROUD

INFO

9. INSTALL RADIATOR SUPPORT UPPER

INFO

10. CONNECT NO. 1 OIL COOLER OUTLET TUBE

INFO

11. CONNECT NO. 1 OIL COOLER INLET TUBE

INFO

12. CONNECT RADIATOR HOSE OUTLET

INFO

13. CONNECT RADIATOR HOSE INLET

INFO

14. CONNECT RADIATOR RESERVOIR TANK HOSE

INFO

15. INSTALL MILLIMETER WAVE RADAR SENSOR ASSEMBLY (w/ Dynamic Radar Cruise Control System)

INFO

16. INSTALL FRONT BUMPER ENERGY ABSORBER

17. INSTALL FRONT BUMPER ASSEMBLY

INFO

18. INSTALL NO. 1 AIR CLEANER INLET

INFO

19. INSTALL NO. 2 AIR CLEANER INLET

INFO

20. INSTALL AIR CLEANER CAP SUB-ASSEMBLY [INFO](#)
21. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL
22. ADD ENGINE COOLANT [INFO](#)
23. CHECK FOR ENGINE COOLANT LEAKS [INFO](#)
24. CHARGE WITH REFRIGERANT [INFO](#)
25. WARM UP COMPRESSOR [INFO](#)
26. CHECK FOR REFRIGERANT LEAKS [INFO](#)
27. PERFORM INITIALIZATION

NOTICE:

Some systems need initialization after reconnecting the negative battery terminal [INFO](#).

28. INSTALL COOL AIR INTAKE DUCT SEAL [INFO](#)
29. INSTALL ENGINE ROOM SIDE COVER LH [INFO](#)
30. INSTALL ENGINE ROOM SIDE COVER RH [INFO](#)
31. INSTALL V-BANK COVER SUB-ASSEMBLY [INFO](#)
32. INSTALL ENGINE UNDER COVER LH
33. INSTALL ENGINE UNDER COVER RH
34. INSTALL FRONT WHEEL OPENING EXTENSION PAD LH
35. INSTALL FRONT WHEEL OPENING EXTENSION PAD RH
36. ADJUST MILLIMETER WAVE RADAR SENSOR [INFO](#)
37. VEHICLE PREPARATION FOR FOG LIGHT AIM ADJUSTMENT [INFO](#)
38. PREPARATION FOR FOG LIGHT AIMING [INFO](#)
39. FOG LIGHT AIMING INSPECTION [INFO](#)
40. FOG LIGHT AIMING ADJUSTMENT [INFO](#)

